

A PRELIMINARY NOTE ON THE INTESTINAL FLAGELLATES OF THE SOUTHERN AFRICAN ANURA

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This note follows the one previously published by Delvinquier & Jones (1988) (*Mem. Qd Mus.* 25(2): 333-334) on intestinal flagellates of Australian anurans.

Between 1988 and 1989, 409 adult specimens of 50 species of anurans and 13 tadpoles of two species of frogs, representing 9 families and from 26 localities in all four Provinces of South Africa and from Swaziland were checked for the presence of intestinal protozoans.

Specimens have been lodged with the Queensland Museum (QM). The anuran nomenclature follows Frost, D.R. (ed.) (1985). 'Amphibian Species Of The World. A Taxonomic and Geographical Reference.' (Allen Press, Inc. & The Association of Systematics Collections: Lawrence, Kansas, U.S.A.) and Frost, D.R., and Savage, J.M. (1987). *J. Herpetol. Ass. Africa* 33: 24.

Abbreviations are: N = number; Cc = *Chilomastix cauleryi* (QM GL 13025); Ga = *Giardia agilis* (QM GL 13028); Mb = *Monocercomonas batrachorum* (QM GL 13026, GL 13029); Se = *Spiroucleus elegans* (QMGL13027, GL13035, GL13036, GL13038); Tb = *Trichomitus batrachorum* (QMGL13030, GL13032, GL13037, GL13039); Ta = *Tritrichomonas augusta* (QM GL 13031, GL 13040).

HOSTS	N	Cc	Ga	Se	Mb	Ta	Tb
ARTHROLEPTIDAE							
<i>Arthroleptis wahlbergi</i>	1						

BUFONIDAE

<i>Bufo angusticeps</i>	3						
<i>gariensis</i>	5				1	4	
<i>garmani</i>	20		14				11
<i>gutturalis</i>	33	1		18	6		9
<i>maculatus</i>	3			1			1
<i>rangeri</i>	9			1		2	5
<i>Capensibufo rosei</i>	5			2			
<i>Schismaderma carens</i>	16			6	3		12

HELEOPHRYNIDAE

<i>Heleophryne natalensis</i>	2						
(tadpoles)	7		5				

HEMISOTIDAE

<i>Hemisus guttatum</i>	1						
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HYPEROLIIDAE

<i>Afrivalus aureus</i>	4			4			
<i>delicatus</i>	5			4			
<i>fornasinii</i>	6				1		1

HOSTS	N	Cc	Ga	Se	Mb	Ta	Tb
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<i>Hyperolius argus</i>	1						
<i>horstocki</i>	4						
<i>marmoratus</i>	42		1	14	1		
<i>pickersgilli</i>	3			1			2
<i>pusillus</i>	7			3			
<i>semidiscus</i>	6			3			
<i>tuberilinguis</i>	12			3			1
<i>Kassina maculata</i>	6			2			3
<i>senegalensis</i>	7			2			
<i>Leptopelis natalensis</i>	4			2		1	3
<i>mossambicus</i>	4			3			2
<i>Semnodactylus wealii</i>	6			6	1		3

MICROHYLIDAE

<i>Breviceps adpersus</i>	1						1
<i>Phrynomerus bifasciatus</i>	5			3			3

PIPIDAE

<i>Xenopus laevis</i>	17			13	1		3
(tadpoles)	6			3			
<i>muelleri</i>	1			1			

RANIDAE

<i>Anhydrophryne rattrayi</i>	1						
<i>Arthroleptella lightfooti</i>	2						
<i>Cacosternum boettgeri</i>	18			8			4
<i>nanum</i>	2					1	1
Phrynobatrachus							
<i>mababiensis</i>	2			1			
<i>natalensis</i>	12			7			3
<i>Ptychadena anchitae</i>	3			1			
<i>mascareniensis</i>	3			1			
<i>mossambica</i>	2						
<i>oxyrhynchus</i>	10			1			1
<i>Pyxicephalus adpersus</i>	5						1
<i>Rana angolensis</i>	38		1	29	1		7
<i>fuscigula</i>	17			12			3
Strongylopus fasciatus	1						
<i>grayii</i>	3			2		1	2
<i>Tomopterna cryptotis</i>	19			8			6
<i>delalandii</i>	14					4	12
<i>krugerensis</i>	7			2		1	4
<i>natalensis</i>	6			1			1

RHACOPHORIDAE

<i>Chiromantis xerampelina</i>	5						2
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